# UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/053,759 | 01/18/2002 | Mark Stapp | 50325-0623 | 6145 |

| | | | |
|---|---|---|---|
| 29989 | 7590 | 03/28/2005 | |

HICKMAN PALERMO TRUONG & BECKER, LLP
2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110

| EXAMINER |
|---|
| VU, THONG H |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2142 | |

DATE MAILED: 03/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

| Office Action Summary | Application No. | Applicant(s) |  |
|---|---|---|---|
|  | 10/053,759 | STAPP ET AL. | |
|  | Examiner | Art Unit | |
|  | Thong H Vu | 2142 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on <u>18 January 2002</u>.

2a) ☐ This action is **FINAL.**　　2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) <u>1-29</u> is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-29</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on <u>18 January 2002</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a) ☐ All　b) ☐ Some * c) ☐ None of:

　　　1. ☐ Certified copies of the priority documents have been received.

　　　2. ☐ Certified copies of the priority documents have been received in Application No. _____.

　　　3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
　　Paper No(s)/Mail Date <u>5/02</u>.

4) ☐ Interview Summary (PTO-413)
　　Paper No(s)/Mail. Date. _____ .

5) ☐ Notice of. Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

1.      Claims 1-29 are pending.

2.      This application is a Continuation-in-Part of application 09/972,139 filed

10/04/2001.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-29 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the

alternative, under 35 U.S.C. 103(a) as obvious over Bahlmann [6,578,074 B1].

3.      As per claim 28, Bahlmann discloses an apparatus for managing leased network

addresses for a plurality of networks using overlapping address spaces [Bahlman,

network leases, temporary lease, col 3 lines 14-55], comprising:

a network interface that is coupled to one or more intermediate devices

connected to the plurality of networks [Bahlmann, networks 118-120, Fig 2];

a processor [Bahlmann, a server, col 4 lines 52-67]; and

one or more stored sequences of instructions which, when executed by the

processor, cause the processor to carry out the steps of:

storing a plurality of banks of addresses corresponding to the plurality of

networks, wherein at least one particular set of one or more network addresses is

included in more than one bank of the plurality of banks [Bahlmann, policy using IP

address, a temporary network policy is created overlapping the old network policy, col

12 line 39-59, Fig 11; the primary IP address ranges, col 7 lines 1-48];

receiving a request for a network address for a host on a first network of the

based on the qualifier (i.e.: parameter), selecting a first bank of addresses from the

plurality of identifying a first network address from the first bank of addresses based at

least in part on the request [Bahlmann, these options may includes parameters, col 7

lines 12-46; the primary IP address ranges, col 7 lines 1-48]; and

sending to the relay agent a response for the host, the response indicating the

first network address and the qualifier [Bahlmann, relay agent, col 5 lines 23-58, Fig 2].


4.     As per claim 29, Bahlmann discloses An apparatus for managing leased network

addresses for a plurality of networks using overlapping address spaces, comprising:

a first network interface that is coupled to a configuration server [Bahlmann, the

configuration of provisioning server, col 3 lines 30-38];

a second network interface that is coupled to a segment of a first network of the

plurality of networks [Bahlmann, networks 118-120, Fig 1]

a processor [Bahlmann, a server, col 4 lines 52-67]; and

one or more stored sequences of instructions which, when executed by the

processor, cause the processor to carry out the steps of:

receiving, at a relay agent, a first request for a network address from a host on

the first network [Bahlmann, relay agent, col 5 lines 23-58, Fig 2];

associating a particular qualifier with the first network [Bahlmann, these options may includes parameters, col 7 lines 12-46]; and

sending to the configuration server a second request for a network address for the host [Bahlmann, the primary IP address ranges, col 7 lines 1-48], the second request including the particular qualifier [Bahlmann, the secondary IP address ranges with options, col 7 lines 1-48].

5.     Claims 1,11,24-27 contain the similar limitations set forth in apparatus claims 28,29. Therefore claims 1,11,24-27 are rejected for the same rationale set forth in claims 28,29.

6.     As per claims 2-4 Bahlmann discloses the step of storing data indicating a value for the qualifier in association with each bank of the plurality of banks; the qualifier further includes a segment identifier of a segment of the first network[Bahlman, customer ID, col 8 lines 16-35]; said step of identifying the first network address from the first bank is further based on the segment identifier [Bahlmann, additional values and primary IP address range, col 7 lines 1-10].

7.     As per claim 5, Bahlmann discloses the request is formatted according to a dynamic host configuration protocol (DHCP) [Bahlmann, DHCP, col 5 lines 23-58, Fig 2].

8.      As per claims 6,8 Bahlmann discloses the qualifier is included in the request in a set of optional fields associated with the relay-agent in the DHCP [Bahlmann, DHCP col 5 lines 23-58, Fig 2].

9.      As per claim 7, Bahlmann discloses the step of formatting the response according to a dynamic host configuration protocol (DHCP) [Bahlmann, DHCP col 5 lines 23-58, Fig 2].

10.     As per claim 9, Bahlmann discloses the request is to lease a new network address for the host; and said step of identifying the first network address comprises selecting the first network address from a pool of available network addresses in the first bank [Bahlmann, additional values and primary IP address range, col 7 lines 1-10; database, col 8 lines 6-15 et seq].

11.     As per claim 10, Bahlmann discloses the request involves an already leased network address for the host; and said step of identifying the first network address comprises retrieving the first network address from a data structure of leased network addresses in the first bank [Bahlmann, additional values and primary IP address range, col 7 lines 1-10; database, col 8 lines 6-15 et seq].

12.    Claims 12-23 contain the similar limitations set forth in apparatus claims 2-10.

Therefore claims 12-23 are rejected for the same rationale set forth in claims 2-10.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Jack Harvey*, can be reached at (571) 272-3896. The fax number for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIRI system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Thong Vu*
*Patent Examiner*
*Art Unit 2142*